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AFRICAN AND LATIN AMERICAN RESILIENCE TO CLIMATE CHANGE (ARCC)

7th QUARTERLY REPORT (April - June 2013)

15 July 2013

This publication was produced for review by the United States Agency for International Development. It was prepared by Tetra Tech ARD.

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The views expressed in this publication do not necessarily reflect the views of the United States Agency for International Development or the United States Government.

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ACRONYMS AND ABBREVIATIONS

AFR	Africa Region
AM	Activity Manager
ACPC	African Climate Policy Centre
APS	Annual Program Statements
ARCC	African and Latin American Resilience to Climate Change
CCA	Climate Change Adaptation
CCAFS	Climate Change Agriculture and Food Security Program (CGIAR)
CGIAR	Consultative Group on International Agricultural Research
CIESIN	Center for International Earth Science Information Network
CO	Contracting Officer
COP	Chief of Party
COP 17	Seventeenth Conference of the Parties to the United Nations Framework Convention on Climate Change (UNFCCC)
COR	Contracting Officer's Representative
ETOA	Environmental Threats and Opportunities Assessment
FAO	United Nations Food and Agriculture Organization
FEWS NET	Famine Early Warning Systems Network
FESS	Foundation for Environmental Security and Sustainability
FGD	Focus Group Discussion
FTF	Feed the Future
GCAP	Global Climate Adaptation Partnership
GCC	Global Climate Change
GMP	Grants Management Plan
GoU	Government of Uganda
GoM	Government of Malawi
GUC	Grants Under Contract
IQC	Indefinite Quantity Contract

KII	Key Informant Interview
LAC	Latin America and the Caribbean Region
LDPG	Local Development Partner Group
LVI	Livelihood Vulnerability Index
M&E	Monitoring and Evaluation
NAPA	National Adaptation Program of Action
NGO	Nongovernmental Organization
PM	Project Manager
PMP	Performance Monitoring Plan
PRRGP	Property Rights and Resource Governance Program
SMTS	Subject Matter Technical Specialists
SOW	Scope of Work
STA/M	Senior Technical Advisor/Manager
UCT	University of Cape Town
USG	United States Government
UNDP	United Nations Development Programme
UNFCCC	United Nations Framework Convention on Climate Change
VA	Vulnerability Assessment
WRI	World Resources Institute

I.0 PROJECT SUMMARY

The African and Latin American Resilience to Climate Change (ARCC) project is a three-year program funded by the United States Agency for International Development (USAID) to provide technical, analytical, and project assistance, as well as capacity building to promote adaptation to climate change, in order to improve the ability of vulnerable populations to respond to climate challenges and safeguard economic growth. The Task Order for ARCC will focus on advancing the Economic Growth Objective within the USAID Foreign Assistance Framework by promoting adaptation to climate change and integration of adaptation into other economic investments, in order to safeguard and promote sustainable, climate-resilient growth. ARCC has the following goals/objectives:

- Promote sustainable economic growth through the development of vulnerability assessment methodologies and other analyses that provide information about the greatest climate change risks to sustainable growth and adaptation options;
- Promote improved governance through the development of analysis and methodologies that increase public understanding of potential climate change impacts and broaden civil society participation in decision-making;
- Address the needs of vulnerable populations, and include gender considerations, by developing best practices in analysis of risk and mitigation of climate change impacts on these populations; and
- Provide technical support to USAID missions and operating units by providing analysis, design, and evaluation support for activities related to adaptation.

To follow, the Task Order for ARCC consists of four activity areas with predefined tasks and deliverables:

- Task Area 1: Development of Vulnerability Assessments Methodologies;
- Task Area 2: Outreach, Training and Support;
- Task Area 3: Knowledge Development and Management; and
- Task Area 4: Technical Support to USAID Missions and Operating Units.

Under these Task Areas, key activities will include the provision of assessment methodologies to guide USAID programming of adaptation-related objectives; a vulnerability assessment tool to provide specific guidance into 'Feed The Future' planning for USAID programs; knowledge management support on topics that may range from evaluation of publicly available indicators of vulnerability to research to improve downscaled modeling outputs that are important for decision-making around adaptation; and technical assistance for field missions in Africa and to a lesser extent, the Latin America and Caribbean region. This Task Order is also expected to have the flexibility to address unforeseen support needs for the Africa Bureau and the Latin America and Caribbean Bureau (LAC).

ARCC will likely be asked to focus on the following geographic areas: *Africa*: Angola, Ethiopia, Kenya, Malawi, Mali, Mozambique, Rwanda, Senegal, Tanzania, and Uganda. *Africa Regional Missions*: East Africa, Southern Africa, and West Africa. *Latin America and Caribbean*: Colombia, Ecuador, Peru, Guatemala, Haiti, and Jamaica. *Latin America Regional Missions*: Central American, Andean and the Caribbean.

2.0 SUMMARY RESULTS FOR THE PERIOD

During the 7th Quarter, ARCC made marked progress on several fronts as it relates to vulnerability assessments. For the Uganda VA, ARCC submitted a revised final report and developed two briefs: an executive summary highlighting key findings of the VA and a climate analysis summary.

ARCC held Options Analysis workshops in the Dominican Republic from in late April 2013. Decision makers, civil society organizations, and communities generated recommendations for increasing resilience to climate change. ARCC submitted a draft of DR VA Report to USAID on May 23rd and feedback was received on June 11th. The report will be finalized in the next reporting period.

ARCC submitted the draft Malawi VA report to USAID/Malawi on May 29th. In early June, the VA team traveled to Lilongwe to facilitate a Practitioners Event with 46 farmers. In a separate workshop, the team presented the results of the assessment to donors, colleges, and NGOs. The week culminated in a two-day options analysis workshop with 60 participants actively engaged in the participatory analysis of adaptation options related to policy, technical interventions, and behavioral change. Next quarter ARCC will finalize the Malawi VA report.

The Senegal VA team finalized sub-contracts with the Institut Sénégalais de Recherches Agricoles (ISRA) and the Centre de Suivi Ecologique (CSE). ARCC also identified the data needs and approaches for the crop and livestock modeling activities. The household survey, focus group discussion guide, and key informant interview (KII) guides were finalized. CIESIN produced a first draft of a background literature review of local responses to drought in eastern Senegal.

USAID and ARCC finalized the West Africa VA statement of work, which is comprised of three components: 1) Region-Wide Mapping of Climate Vulnerability and Assessment of Climate and Early Warning Services; 2) Evidence Based Assessment of Adaptive Practices in the Sahel; and 3) Transboundary River Basins and Coastal Zones. At USAID's request, ARCC also integrated activities related to Mali in the VA. On June 10th and 11th ARCC held a coordination meeting to discuss activities, sequencing, and linkages among the numerous elements of the assessment. Matt Sommerville also traveled to Accra, Ghana in June to attend the West Africa Vulnerability Assessment and Coastal Adaptation Workshop.

In June 2013 ARCC, USAID/Washington, and USAID/Honduras held a kick-off teleconference to define the scope of the Honduras Vulnerability Assessment. The VA will focus on climate change vulnerabilities in biodiversity conservation in southern Honduras (primary focus) and agriculture in western Honduras (secondary focus). Next quarter, the Honduras VA team will start the literature review, conduct the scoping mission and begin the field work for the VA.

USAID/Colombia has decided to proceed with a local firm to conduct the Colombia VA. To date, no specific requests have been made for ARCC's contribution to this study.

USAID confirmed that the next AFR Technical Officers meeting will be held in Nairobi, Kenya and is tentative scheduled for February 2014. The next LAC Technical Officers meeting will be held in Lima, Peru in October 2013. Initial planning for the LAC meeting will commence next quarter.

ARCC subcontractor Foundation for Environmental Security & Sustainability (FESS) commenced field work on two climate change and conflict case studies – one on the Sahel region and the other on West African coastal cities.

FESS traveled to Accra, Ghana and Ouagadougou, Burkina Faso and attended meetings with the USAID/West Africa Mission (in Ghana), research institutions, and other key informants.

From April 1-5, 2013 ARCC conducted a week-long grants management training with the three ARCC grantees. During the quarter, the grantees submitted their work plans, M&E plans, and draft versions of their literature reviews.

ARCC Consultant Teresa Kamara finalized the Evaluation of Organizational Capacity and Opportunities for Climate Change Adaptation Investments in Kenya. ARCC Technical Specialist Matt Sommerville also completed the Rwanda Institutional Assessment.

ARCC continued to work on a series technical papers, including Spatial Climate Change Vulnerability Assessments; Downscaling Climate Projections; and The Importance of an Ecosystem Lens in Assessing Vulnerability and Enabling Adaptation.

On the project management side, ARCC recruited and hire a Publications Manager and new Grants Manager. ARCC also submitted a contract modification request to USAID to: 1) re-align the budget; 2) obligate additional funds; and 3) correct inaccurate references to TetraTech DPK on previously issued modifications.

TASK AREA I: DEVELOPMENT OF VULNERABILITY ASSESSMENTS METHODOLOGIES

Activities that were completed under Task Area I include:

1. In May 2013, the ARCC consultant and agro-ecological expert, David Edmunds, facilitated a one-day workshop on options analysis for the **Uganda Vulnerability Assessment**. The purpose of this workshop was to provide USAID and the ARCC team a strategic and practical approach to identifying options and developing a set of recommendations that are both specific and derived from the ARCC assessment. As a result, the ARCC team developed a more concise list of options for the Uganda VA report. These changes were incorporated into the report and a revised version was re-submitted to USAID/Uganda on June 17, 2013.

Also ARCC developed two briefs highlighting the Uganda VA results and recommendations in a “less technical” manner to meet the needs of a general audience. One brief was 6-page executive summary on the Uganda Vulnerability Assessment key findings and recommendations. The second brief was a two-pager which highlighting the results of the climate analysis, including general climatic conditions, observed climate variability and trends, and climate projections. The final versions of these briefs were submitted to USAID/Washington on May 24th and to USAID/Uganda on May 28th.

2. From April 22 - May 1, 2013 the **Dominican Republic Vulnerability Assessment** team traveled and/or met in the Dominican Republic to share the findings of the VA as well as facilitate the Options Analysis workshops. The VA team shared results with various audiences in the Dominican Republic: USAID Mission, public and private sector decision-makers, donors, and other stakeholders. These findings were shared in a series of presentations and workshops in Santo Domingo as well as five other climate-sensitive communities which were the focus of the assessment: Punta Cana, Samaná, Centro Bono (Santo Domingo), Montecristi, and Santiago. The VA team facilitated six Options Analysis workshops with the aim of achieving the following objectives:
 - Generate awareness of the issues and potential implications of climate change on the four climate change sensitive “hotspot” areas that the assessment targets;
 - Improve understanding of constraints and opportunities for addressing adaptation; and

- Identify potential adaptation strategies and develop recommendations.

Fifty-five decision makers participated in the workshops and generated a myriad of recommendations for consideration at the local and national levels. The recommendations in the report reflect the thoughtful and informed input of the options analysis participants, who represent a variety of sectors and institutions.

On May 23, 2013 the DR VA team completed and submitted the first draft of the DR VA Report to the USAID DR Mission. On June 11, USAID sent comments on the report, and the DR VA team will finalize the report in the next quarter.

3. ARCC spent the first weeks of April finalizing the **Malawi Vulnerability Assessment** report, and, under the technical leadership of the assessment's Team Leader Dr. Lynnette Wood, prepared for the presentation of the assessment results and the options analysis workshop. Although USAID/Malawi postponed the options analysis until June due to a scheduling conflict, the team nevertheless traveled to Malawi during the week of April 22nd and presented the assessment findings to USAID/Malawi, the Malawi government, and their development partners in Lilongwe. These presentations generated significant interest, and helped to ensure a much wider turnout in June than would otherwise have been the case.

On May 29th ARCC sent the final version of the report to USAID/Washington for comment. Comments and feedback were subsequently received and incorporated; while USAID/Washington requested postponement of full finalization of the report until June so that the results of the options analysis workshop could be incorporated.

Over the first week of June, a team consisting of Team Leader Wood, team members Jennifer Graham, Ross Blamey, and Lezie Morinière, and ARCC Operations Manager Michael Wasson traveled to Malawi to present and discuss the assessment in a variety of forums. They conducted a Practitioners Event that brought 46 farmers together with representatives from farmer associations and agriculture-related NGOs for a presentation, panel discussion, and question-and-answer session. The event was covered by Zodiak Radio, which reported on the event during the evening news, and again as part of the weekend news summary. The Practitioners Event provided a forum for comments and discussion with farmers most directly affected by climate change, and confirmed many of the findings of the VA. The team also presented the results of the assessment to a broader audience of individuals who did not participate in any of the other events. Representatives from 16 development organizations, colleges and NGOs participated in this event.

The week culminated in a two-day options analysis workshop. Sixty participants attended, representing 14 different Government of Malawi ministries and departments, as well as other development partners and both international and local NGOs. All participants were actively engaged in the participatory analysis of adaptation options, and identified options related to policy, technical interventions, and behavioral change. The ARCC team compiled the results of the workshop into a chapter of the final report which was provided to USAID/Malawi and USAID/Washington for feedback. In the third week of June, USAID/Washington provided their input on the complete final report. At the close of this reporting period, ARCC had begun revisions based on USAID/Washington feedback.

4. Following on the visit of the ARCC team to Malawi in late April, Chief of Party Cary Farley returned to the United States via Cape Town, Republic of South Africa, where he spent time at the University of Cape Town (UCT). On April 29th Dr. Farley spent the day with the Climate System Analysis Group (CSAG), where he met with the team who conducted the climate analysis for the Malawi VA and subsequently resolved a few outstanding issues. Dr. Farley also made a presentation on the ARCC project to the CSAG

team with the ultimate aim of exploring opportunities for further collaboration. As a result of that meeting CSAG will be partnering with ARCC on the West Africa Vulnerability Assessment.

5. The **Senegal Vulnerability Assessment** team continued developing subcontracts with potential Senegalese partners, advanced ongoing studies, and prepared for the fieldwork component of the assessment. In early April 2013, ARCC met with USAID, received input, and finalized the overall SOW for the assessment and options analysis (version 13).

ARCC also finalized the negotiation of the subcontracts for the Institut Sénégalais de Recherches Agricoles (ISRA) and the Centre de Suivi Ecologique (CSE). ISRA's contributions to the Senegal VA include: a household survey to determine the current vulnerability of households living in the study area; focus group discussions and analysis; key informant interviews; crop productivity projections; modeling of climate change impacts on livestock; literature review of research and extension opportunities; desk study of markets and vulnerability; and finally their participation in the validation/scenario planning workshop at the conclusion of the VA. CSE's role in the VA will be focused on analyzing the aforementioned data collected by CSE. CSE will also participate in the validation/scenario planning workshop.

In April 2013, ARCC's Climate Scientist Sylwia Trzaska met with ISRA in Dakar to clarify ARCC's approach and data needs for the VA crop and livestock modeling activities. Senegal VA Livestock Coordinator Leif Brottem also worked with ISRA and CSE staff to develop approaches and identify data needs and availability for modeling climate change impacts on livestock resources and production. Mr. Brottem also drafted a brief note on the recent evolution of livestock policy in Senegal to provide contextual background for the assessment.

Negotiations with the Agence Nationale de l'Aviation Civile et de la Météorologie (ANACIM) have been delayed, largely due to a transition in the directorship of the meteorological agency as well as the lengthy process of developing, verifying, and negotiating ANACIM's budget. As of the end of the quarter, ARCC was still waiting for salary and cost verification information required to finalize the budget. In the event the subcontract cannot be finalized with ANACIM, ARCC has begun some contingency planning, including developing approaches to use ARCC resources to produce the climate information.

In preparation for field work activities, Dr. Tim Finan revised the household survey (HHS), focus group discussion (FGD) guide and key informant interview (KII) guide. The instruments were vetted with the ISRA and CSE, and then translated into French. ARCC also selected and configured the electronic devices (iPad 2s) and mobile data collection software (iForm Builder) that will be used for the household survey. Dr. Baro and Dr. Finan worked together to develop the training manual for the household survey; establish the criteria for selection of the enumerators; and identify potential candidates/enumerators. The training of the enumerators and focus group facilitators is scheduled to begin on July 15, 2013.

CIESIN researcher Sandra Baptista produced a first draft of a background literature review of local responses to drought in eastern Senegal.

6. Over the first two weeks of April, ARCC met with USAID twice to discuss the **West Africa Vulnerability Assessment**. Through meetings and written comments, the purposes, audiences, general timelines, and specifics of the work were sufficiently defined for ARCC's Technical Advisor for Africa David Miller to draft a statement of work (SOW) for the activity. ARCC shared this draft SOW with USAID/West Africa and participated in a conference call with USAID/Washington to receive their input. The final and approved statement of work for the West Africa VA is comprised of three components:

1. Region-Wide Mapping of Climate Vulnerability and Assessment of Climate and Early Warning Services (Component Leader: Lezlie Moriniere);
2. Evidence Based Assessment of Adaptive Practices in the Sahel (Component Leader: Brent Simpson); and
3. Transboundary River Basins and Coastal Zones (Component Leader: Matt Sommerville)

In early May USAID informed ARCC of activities related to Mali to be integrated into the assessment. USAID sent a draft SOW on May 30th, and ARCC integrated these activities into the West Africa VA. These activities include an institutional assessment of Mali's climate and early warning services, climate projections, climate impacts on crops and livestock, groundwater and water resources.

From June 10-11, 2013 ARCC held the first West Africa VA coordination meeting, bringing together the principal personnel working on Components 1 and 3. Meeting participants discussed how the tasks were to be defined and implemented, levels of effort expected, and sequencing and linkages among the numerous elements of the assessment. Dates for deliverables were confirmed. At the end of the meeting, results were shared with Jami Montgomery (USAID/DCHA) who also responded to questions from the team.

Matt Sommerville traveled to Accra, Ghana from June 17-21, 2013 to attend the West Africa Vulnerability Assessment and Coastal Adaptation Workshop and participate in meetings with the USAID/West Africa mission. Dr. Sommerville facilitated sessions related to transboundary collaboration on coastal planning between francophone countries. He interviewed the UNFCCC focal point and a national coastal expert from 11 West African countries, which will feed directly into the institutional assessment for West African coastal vulnerability. Also feeding into the vulnerability assessment, he documented the key topics and challenges that were raised during the workshop from a climate impacts perspective. In brief meetings during the workshop with USAID West Africa, Dr. Sommerville confirmed the direction for the assessment and USAID preference for an expansive report, with a succinct executive summary.

7. On June 5, 2013 ARCC, USAID/Washington, and USAID/Honduras held a kick-off teleconference to define the components of the **Honduras Vulnerability Assessment**. USAID/Honduras participants, Terence Miller and Gracia Lanza, shared that USAID is interested in a VA that focuses on climate change vulnerabilities in biodiversity conservation in Valle and Choluteca provinces in southern Honduras (primary focus) and agriculture in western Honduras (secondary focus). Following the teleconference, on June 21, 2013 ARCC received a SOW for conducting a gap analysis/literature review for these areas. The VA scope of work has not yet been developed; however the literature review will help inform that discussion in the next quarter. The scoping trip is expected to take place in August 2013.
8. USAID/Colombia has decided to proceed with a local firm to conduct the **Colombia Vulnerability Assessment**. On May 23rd Kelly Miller and USAID LAC Bureau Activity Manager Christine Pendzich held a teleconference with Claudia Martinez, the lead manager/consultant of the Colombia VA and the Executive Director of E3 - Ecology, Economics and Ethics. The purpose of the teleconference was to discuss possible opportunities for ARCC to contribute to the VA. As of the end of this reporting period, no specific activities had been identified.

TASK AREA 2: OUTREACH, TRAINING AND SUPPORT

Activities that were completed under Task Area 2 include:

1. USAID AFR Activity Manager, Tegan Blaine confirmed that the annual AFR Technical Officers meeting will be held in Nairobi, Kenya. The date for this meeting has been tentatively scheduled for February 2014. ARCC will begin to search for possible venues to hold the meeting during the next quarter. Other logistical and technical support will be further defined next quarter as well.
2. USAID LAC Activity Manager, Christine Pendzich confirmed that the annual LAC Technical Officers meeting will be held in Lima, Peru in October 2013. Next quarter, ARCC will receive further guidance from USAID on what logistical and technical support will be required.

TASK AREA 3: KNOWLEDGE DEVELOPMENT AND MANAGEMENT

Activities that were completed under Task Area 3 include:

1. ARCC signed a new subcontract with the Foundation for Environmental Security & Sustainability (FESS) on June 6, 2013. FESS's subcontract focuses on three outputs: (1) two case studies – one on Burkina Faso, Niger, and Sahelian Senegal and the another on the West African coastal cities of Lagos and Accra; (2) two policy briefs summarizing findings and recommendations in each case study area; and (3) a synthesis report of the both case studies and their implications for USAID programs. FESS's studies will contribute to ARCC's concurrent activities for the West Africa VA.

During this quarter, Principal Investigator, Jeffrey Stark, and his research team traveled to Accra, Ghana on June 17th on their first stop of the scoping trip. They attended several meetings with the USAID/West Africa Mission, research institutions and individuals who may become local partners for the field research that will take place in the months to follow. The FESS team continued on to Ouagadougou, Burkina Faso, for additional meetings and returned from West Africa on June 28th. The results from the scoping trip will be presented in the next quarterly report.

2. From April 1-5, 2013 Deputy Chief of Party Kelly Miller and Grants Manager Mauricio Castro traveled to Addis Ababa, Ethiopia to conduct a weeklong training with the three ARCC grantees. Invited to this training were the principal investigators and finance managers from each grantee organization. The training focused on five key areas of grants management:
 - Terms and conditions of the grant agreement
 - Work planning and monitoring and evaluation
 - Financial management and reporting
 - Procurement and personnel management
 - Grants closeout

During the reporting period, the grantees submitted their work plans, monitoring & evaluation plans, and draft versions of their literature reviews and research design documents. Dr. David Miller, and Tom Owiyo, Senior Agriculture and Climate Change Specialist at the African Climate and Policy Centre (ACPC) were instrumental in providing substantive feedback on the literature reviews and data instruments.

During this quarter a total of \$20,637 was disbursed to grantees. A summary of ARCC's small grants program during this quarter is presented below:

Table 1. Summary of ARCC Grant Activities For This Quarter

Grantee	Grant Title	Deliverables Approved	Funds Disbursed
Association pour la Gestion de l'Environnement et le Développement (AGED)	Household and Community Experiences and Perceptions on Climate Change Impacts due to droughts, and Expectations on Policy Interventions in Sahel Region, Northern Burkina Faso	Milestone 1: Work Plan & Monitoring and Evaluation Plan	\$6,474
Multi-Features and Capacity-Enhancing Services (MFCS)	Climate Change and Agricultural Adaptation Measures in the Transition Zone of Mid-Ghana	Milestone 1: Work Plan & Monitoring and Evaluation Plan	\$6,754
Multiface Research and Development Centre (MRDC)	Household and Community Experiences and Perceptions on Climate Change Impacts due to Floods, and Expectations on Policy Interventions in Budalangi, Western Kenya	Milestone 1: Work Plan & Monitoring and Evaluation Plan Milestone 2: Literature Review & Research Design Document	\$7,409

3. ARCC submitted to USAID for review a total of seventeen (17) new or revised technical reports or papers. These are:
 - Evaluation of Organizational Capacity and Opportunities for Climate Change Adaptation Investments in Rwanda
 - Kenya Climate Change Institutional Analysis
 - Uganda VA Climate Findings (Two-Page Overview)
 - Uganda VA Executive Summary (Six-Page Summary)
 - Uganda Vulnerability Assessment Report
 - Malawi Vulnerability Assessment Report. ARCC provided a series of sub-chapters to the Mission during the quarter.
 - Dominican Republic Vulnerability Assessment Report
 - DRR and CCA Synergy in USAID/Ethiopia Programming
 - Integrating Climate Change Adaptation into Biodiversity and Forestry Assessments and Programs
 - Spatial Climate Change Vulnerability Assessments: A Review of Data, Methods, and Issues
 - Adaptation and Governance
 - Climate Change and Conflict in Africa and Latin America: Findings and Preliminary Lessons from Uganda, Ethiopia, and Peru
 - Summary Report from the Experts Meeting on Climate Change Vulnerability and Risk Assessments (Two-Page Summary)
 - Stakeholder Participation in Climate Change Adaptation Planning
 - Climate Change and Agriculture Interventions (Overview) and Climate Change Issues Affecting Small Holder Agriculture (a.k.a., Agricultural Interventions Matrix)
 - ARCC Implementing Mechanism Fact Sheet
 - ARCC Program Brief
4. The following publications are under review by USAID for publishing on the ARCC Eldis Portal and other targeted dissemination channels:
 - a. Uganda Vulnerability Assessment Report (Full Report)

- b. Climate Change Issues Affecting Small Holder Agriculture (a.k.a., Agricultural Interventions Matrix)
 - c. Improving Vulnerability Assessment and Climate Change Adaptation by Applying Impact Assessment Processes - Ten Principles
 - d. Improving Analysis of Climate Change Adaptation Networks and Institutions in Africa
 - e. Climate Change and Conflict in Africa and Latin America: Findings and Preliminary Lessons from Uganda, Ethiopia, and Peru
 - f. ARCC Implementing Mechanism Fact Sheet
 - g. ARCC Program Brief
 - h. Malawi Vulnerability Assessment Report
 - i. Multiple Fact Sheets on Climate Change Vulnerability and Adaptation
5. Detailed below is a list and the status of several knowledge products ARCC continued to work on during the quarter:
- Design and Use of Composite Indices in Assessments of Climate Change Vulnerability and Resilience. Comments and suggested revisions were provided to Sandra Baptista, who is scheduled to provide the next draft for USAID review by the middle of next quarter.
 - Summary Report from the Experts Meeting on Climate Change Vulnerability and Risk Assessments. In addition to the two-page summary provided in the last quarter, a more comprehensive full report will be completed in the first part of the next quarter.
 - An Unexpected and Familiar Story. Climate Change, Complex Crises and Household Resilience with draft expected mid-July.
 - The Role of an Ecosystems Lens in Assessing Vulnerability and Enabling Adaptation (Draft Title) with draft expected early September.
 - Transformative Adaptation and Key Issues in Adaptation M&E (Draft Title) with draft expected mid-October.
 - Analyzing Climate Change Adaptation Options Using Multi-Criteria Analysis
 - From Assessment to Implementation - Approaches for Adaptation Options Analysis
 - Analyzing Climate Change Adaptation Options Under Uncertainty
 - Improving Vulnerability Assessment and Climate Change Adaptation by Applying Impact Assessment Processes - Ten Principles
 - Improving Analysis of Climate Change Adaptation Networks and Institutions in Africa
 - Methods for Economic Analysis of Climate Change Adaptation Interventions

TASK AREA 4: TECHNICAL SUPPORT TO USAID MISSIONS AND OPERATING UNITS

Activities that were completed under Task Area 4 include:

- I. During this reporting period, ARCC Consultant Teresa Kamara conducted the **Evaluation of Organizational Capacity and Opportunities for Climate Change Adaptation Investments in Kenya**. Ms. Kamara completed the literature review for the study and developed a questionnaire for the interviews to be conducted, which were shared with USAID/Washington. After receiving feedback from USAID, Ms. Kamara began to coordinate with USAID/Kenya to establish meetings with representatives from various institutions, including government, NGOs, universities, and donors. Despite delays in the USAID/Kenya Mission getting meetings set up, the interviews were conducted smoothly and continued through May 2013. Ms. Kamara submitted a draft of her report to USAID on May 22, 2013 and after incorporating comments on this draft, a revised draft report was submitted on June 20, 2013. The report details the climate sensitive sectors within Kenya (agriculture, water, health and environment); in brief,

describes the mandate and capacity of the climate information services providers; national and sub-national responses to climate change; key actors in the climate change adaptation community; an analysis of the qualitative; and lastly opportunities for USAID to support the integration of climate change adaptation at the national and sub-national levels. ARCC is pending final feedback from USAID on the revised submission.

2. In April - May 2013, Dr. Matt Sommerville conducted the **Rwanda Institutional Assessment** for USAID/Rwanda Mission. Mr. Sommerville traveled to Rwanda to assist the Mission Environment Officer in consolidating information that is currently available on vulnerability to climate change across the health, agriculture, and water sectors, and to consider how USAID investments in climate change may best complement national development priorities. The assessment summarized key gaps in knowledge around climate change and sectors, as well as identified implementation entry points in the areas of agriculture, climate services, infrastructure development/urbanization, water management, health and biodiversity. The presentations were well received by the mission, and no further follow-up is anticipated.

PROJECT MANAGEMENT AND ADMINISTRATION

The following are key project management and administration activities which took place during the reporting period:

- Hired Publications Manager, Erin Upton-Cosulich.
- Recruited and hired a new Grants Manager, Sarah Alderfer.
- Identified and contracted consultants for the Senegal and West Africa VAs.
- Organized travel logistics and training for ARCC-ACPC grantees in Addis Ababa, Ethiopia.
- Coordinated invitations, agendas, travel and logistics for Options Analysis event presentations in the Dominican Republic and Malawi.
- Submitted a budget re-alignment to USAID for approval. (As of the end of the quarter, the approval was still pending.)
- Managed for outputs from US and local subcontractors, including ACDI/VOCA, CIESIN, WRI, FESS, Kadale and CSAG.

3.0 FINANCIAL MANAGEMENT

TETRA TECH ARD African and Latin American Resilience to Climate Change (ARCC) Contract #: AID-OAA-TO-11-00064		
<u>TOTAL BUDGET SUMMARY BY YEAR</u>		
	Approved Budget	Actuals Through June 30, 2013
Total Direct Labor		
Salary and Wages	1,905,503	1,012,398
Fringe Benefits	703,705	373,878
STTA/Consultants	758,510	481,154
Grants Under Contract	1,000,000	20,633
Subcontracts	5,065,209	1,979,256
Program Activity Costs	91,205	112,268
Other Direct Cost	341,404	198,291
Travel, Transportation, and Per Diem	821,975	561,845
Equipment and Supplies	110,562	53,320
Indirect Costs	1,616,165	879,717
Fixed Fee	620,712	283,179
Total Est. Cost Plus Fixed Fee	13,034,950	5,955,940
ARCC Program Area	Actuals Through June 30, 2013	
Operations	\$ 3,215,299	
Latin America & Caribbean	\$ 357,541	
Africa	\$ 2,383,100	
TOTAL	\$ 5,955,940	

4.0 MAJOR ACTIVITIES PLANNED FOR NEXT PERIOD

Next quarter, ARCC will finalize the VA Reports for Uganda, Malawi, and the Dominican Republic. ARCC will also be managing two ongoing vulnerability assessments in Senegal and West Africa, while also launching a new VA in Honduras. Our general activity plan for the next quarter is as follows:

Activity Plan				
Task Areas	Activities	Lead ARCC Team Member/ Partner	Date/Month	Output
TA I	<p>Manage ISRA and CSE subcontracts to ensure quality data collection and analysis across all technical areas. This will include travel to Dakar to work directly with both organizations.</p> <p>Complete institutional analysis in collaboration with World Resources Institute (WRI).</p> <p>Finalize background literature review of local responses to drought in eastern Senegal in collaboration with CIESIN.</p> <p>Hold an assessment validation workshop and begin drafting VA assessment report.</p>	David Miller	July - September	Senegal VA Report
TA I	<p>Revise first draft of the DR VA Report based on the comments received from the USAID/DR Mission and re-submit.</p> <p>Conduct an internal analysis of lessons-learned from the DR VA and OA process.</p>	Patricia Caffrey	July	Dominican Republic VA Report
TA I	Finalize Malawi VA report	Lynnette Wood	July	Malawi VA Report
TA I	Develop the district-level scenarios for the Uganda VA Options Analysis Workshop to be held in October 2013.	Patricia Caffrey	July	Uganda District Level OAs
TA I	Produce initial papers on vulnerability mapping, regional institutions, adaptive practices, river basins and coastal zones.	David Miller	July - September	West Africa VA Report & Mali Technical Outputs

	Commence the institutional assessment of Mali's climate and early warning services, and complete the reports on climate projections, climate impacts on crops and livestock, groundwater, and Mali water resources. Conduct climate analysis and projections, which are to be led by subcontractor Climate Systems Analysis Group (CSAG) of the University of Cape Town.			
TAI	Complete a literature review, define scope of the VA, conduct scoping trip, and commence field work for VA.	Kelly Miller	July - September	Honduras VA Report
TAI	Technical support for Colombia VA.	ARCC - TBD	July	TBD
TA 2	Commence preparing logistics for the LAC Technical Officers Meeting to be held in Lima, Peru.	Arielle Kleinman	July - September	Coordination and Logistics Report Out
TA 3	Produce technical papers and policy briefs on climate change & governance, climate change & ecosystem management.	WRI	July - September	Policy Briefs/TBD
TA3	Finalize scoping trip report for the Climate Change & Conflict Case Study for Burkina Faso, Niger, and Sahelian Senegal Conduct field research for the West African Cities case study in Lagos, Nigeria and Accra, Ghana. Complete draft case study report for Burkina Faso, Niger, and Sahelian Senegal	FESS / David Miller	July – September (ongoing)	Climate Change & Conflict Case Studies
TA 3	Finalize and submit technical paper on Spatial Climate Change Vulnerability Assessments	CIESIN	August	Assessment
TA 3	Finalize and submit technical paper on Downscaling Climate Projections	CIESIN	August	Technical Paper
TA 3	Finalize workshop report for Experts Meeting: Climate Change Vulnerability Assessments: Recent Approaches and Results.	Leif Kindberg	August	Workshop Report
TA 3	Support grantees in finalizing their literature reviews and research design documents (including data instruments, and continue to provide general oversight to the small grants program.	Sarah Alderfer	July - September	Grantee Deliverables per Grant Agreements

TA 4	Finalize institutional analysis report for on evaluating the organizational capacity and opportunities for climate change adaptation investments in Kenya	David Miller / Teresa Kamara (consultant)	July	Institutional Analysis Assessment Report
TA 4	As requested, support USAID Missions in initiating literature reviews, developing case studies, and conducting assessments for USAID Missions.	ARCC - TBD	Ongoing	TBD

5.0 ANNEXES

ANNEX I: ARCC OUTPUTS

Title	Consultant/Partner	Date Submitted	Date of original submission
2012 Expert's Meeting Report - Full	TT/ARD, Elicia B.	9-May-12	9-May-12
Vulnerability Assessment Options: A Review of Approaches	TT/ARD, Leif K.	29-May-12	29-May-12
Climate Change Issues Affecting Small Holder Agriculture (a.k.a., Agricultural Interventions Matrix) and Overview	TT/ARD, Tara S.	August	1-Oct-12
Improving Vulnerability Assessment and Climate Change Adaptation by Applying Impact Assessment Processes - Ten Principles	CADMUS, Wes Fisher	August	1-Oct-12
Stakeholder Participation in Climate Change Adaptation Planning	WRI, Heather M.	2-Jul-13	16-Oct-12
Ensuring Condition-Appropriate Seed (Climate Change Fact Sheet, 2 pages)	TT/ARD, Tara S.	September	19-Nov-12
From Assessment to Implementation: Approaches for Adaptation Option Analysis	WRI, Aarjan D.	August	19-Nov-12
From Assessment to Implementation Fact Sheet: Approaches for Adaptation Option Analysis (3 pages)	WRI, Aarjan D.	August	19-Nov-12
Methods for Economic Analysis of Climate Change Adaptation Interventions	TT/ARD Joy H.	August	19-Nov-12
Methods for Economic Analysis of Climate Change Adaptation Interventions (Executive Summary, 3 pages)	TT/ARD Joy H.	August	19-Nov-12
Supporting Mixed Farming Systems (Fact Sheet)	TT/ARD, Tara S.	September	14-Dec-12
Strengthening Agricultural Value Chains (Fact Sheet)	TT/ARD, Tara S.	September	14-Dec-12
Promoting Conservation Agriculture (Fact Sheet)	TT/ARD, Tara S.	September	14-Dec-12
Improved Post Harvest Handling and Storage (Fact Sheet)	TT/ARD, Tara S.	September	14-Dec-12
Expansion of Income Generating Activities (Fact Sheet)	TT/ARD, Tara S.	September	14-Dec-12
Adaptation and Governance (working title)	WRI, Johan S.	2-Jul-13	14-Dec-12
Investigate Crop Insurance Schemes (Fact Sheet)	TT/ARD, Tara S.	September	21-Dec-12
Synthesis paper - Climate Change and Conflict in Africa and Latin America: Findings and Preliminary Lessons from Uganda, Ethiopia, and Peru	FESS, Jeff S.	15-Aug-13	21-Dec-12
Improve Extension Services (Fact Sheet)	TT/ARD, Tara S.	September	22-Dec-12
Expansion of Integrated Pest Management (Fact Sheet)	TT/ARD, Tara S.	September	23-Dec-12
Applying Impact Assessment Processes - Ten Principles (Summary Paper)	CADMUS, Wes Fisher	August	4-Jan-13
Design and use of Composite Indices in Assessments of Climate Change Vulnerability and Resilience	CIESIN, Sandra B.	15-Aug-13	4-Jan-13
Increase Nutrition Specific Interventions (Fact Sheet)	TT/ARD, Lezlie M.	September	18-Jan-13
Integrating Climate Change Adaptation into Biodiversity and Forestry Assessments and Programs	TT/ARD, Bruce B.	13-Jun-13	18-Jan-13
Uganda Vulnerability Assessment Report (Full)	TT/ARD, Patricia C.	21-Jun-13	24-Jan-13
Analyzing Climate Change Adaptation Options Under Uncertainty	WRI, Aarjan D.	September	25-Jan-13
Analyzing Climate Change Adaptation Options Using Multi-Criteria Analysis	WRI, Aarjan D.	August	25-Jan-13
USAID Workshop Summary on: Information & Capacity for Adaptation Decision Making in Agriculture	TT/ARD, Leif K.	9-May-13	9-May-13
Assessments: Recent Approaches and Results (Expert's Meeting Report - Summary)	TT/ARD, Leif K.	9-May-13	9-May-13
Malawi Vulnerability Assessment Report (Executive Summary)	TT/ARD, Scott M.	16-May-13	16-May-13
Evaluation of Organizational Capacity and Opportunities for Climate Change Adaptation Investments in Kenya	TT/ARD, Teresa Kama	22-May-13	22-May-13
DR Vulnerability Assessment Report (Full)	TT/ARD, Patricia C.	7-Aug-13	31-May-13
Spatial Climate Change Vulnerability Assessments	CIESIN, Alex de S.	25-Jul-13	14-Jun-13
ARCC Implementing Mechanism Fact Sheet	TT/ARD, Leif K.	14-Jun-13	14-Jun-13
ARCC Program Brief	TT/ARD, Leif K.	14-Jun-13	14-Jun-13
Improving Analysis of Climate Change Adaptation Networks and Institutions in Africa (Database)	Peter Cranston	29-May-12	Approved for distribution on September 24, 2012
Background Paper: Regional Climate Change Vulnerability Assessment for West Africa	CIESIN, Sandra B.	(USAID approved)	Approved for external distribution on May 29, 2013
DRR and CCA Synergy in USAID/Ethiopia Programming	TT/ARD, Lezlie M.	11-Jun (USAID approved)	Approved for internal distribution only on June 11, 2013
Evaluation of Organizational Capacity and Opportunities for Climate Change Adaptation Investments in Rwanda	TT/ARD, Matt S.	(USAID approved)	Approved for internal distribution only on June 25, 2013

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